

## Telemetry Gamma Ray and CCL Tool - 2-3/4 in.

Provides integrated telemetry and correlation services

### Applications

- Facilitates the combination of HD compatible services into a single logging string

### Features and Benefits

- Fast up-hole telemetry
- Integrated gamma ray for correlation to formation
- Integrated casing collar locator (CCL) for correlation to wellbore tubulars

### Tool Description

The Weatherford telemetry gamma ray and CCL is a combined gamma ray and CCL tool with a telemetry control unit which provides a passive measurement of gamma radiation by means of a sodium iodine scintillation detector and identifies changes of metal thickness by means of a collar locator.

The telemetry control unit is the communications control center for the logging system. The tool controls the collection of data from the tools below and packages it for the transmission to the surface system.



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## Specifications

### Ratings and dimensions

Maximum temperature	350°F (177°C)
Maximum pressure	15,000 psi (103.4 MPa)
Outer diameter	2.75 in. (70.0 mm)
Length	47.69 in. (1,211.0 mm)
Weight	44.6 lb (20.2 kg)
Measure Points	<b>Gamma Ray:</b> 8.43 in. (214.0 mm) <b>Casing Collar:</b> 39.92 in. (1,014.0 mm)
Materials	Corrosion resistant materials used throughout

### Hardware characteristics

Combinability	All HD tools (RADii, iQ, PL, RAS, etc)
Acquisition Mode	Real-time

### TCU electrical specifications

Voltage	300 V DC
Current	Load dependent
Tool bus rate	500 kbps
Uplink rate	150 kbps
Downlink rate	16 kbps

### Gamma ray measurements

Range	1-65,000 cps
Resolution	1 cps
Accuracy	10%
Sensitivity	(nominal) 1 count / API

